

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|-----------------------------|--|------------------|---------|------------------|
| S2 | 1 | "20030020004".pn. | US-PGPUB; USPAT | WITH | ON | 2007/04/04 10:15 |
| S3 | 10 | figueria-r\$.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/04 10:31 |
| S4 | 7 | schmidt-manuel.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/04 10:32 |
| S5 | 131 | vishay-semiconductor-\$.as. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/04 10:36 |
| S6 | 412 | 345/175.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/04 12:25 |
| S7 | 145 | 250/214SW.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/04 12:31 |
| S8 | 612 | 340/555.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/04 13:35 |

EAST Search History

| | | | | | | |
|-----|---------|---|--|------|----|------------------|
| S10 | 2402 | 250/221.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/04 14:23 |
| S11 | 2 | "6835923".pn. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/04 16:00 |
| S12 | 1382653 | (LED or ((light\$1emitting or "light emitting") adj diode) or (light adj source)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/04 16:02 |
| S13 | 425 | (two or second) near2 S12 and reference near3 (light or S12) and (detector or photo\$1detector or photo\$1diode) and (offset or height) S12 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/04 16:08 |
| S14 | 7 | ("4381446" "4943712" "5103085" "5444264" "5592033" "6313825" "6828546").PN. OR ("6965327").URPN. | US-PGPUB; USPAT; USOCR | WITH | ON | 2007/04/04 16:35 |
| S15 | 4 | ("5103085" "5225689" "5539199" "5666037").PN. OR ("6953926").URPN. | US-PGPUB; USPAT; USOCR | WITH | ON | 2007/04/04 16:37 |
| S16 | 6 | ("4381446" "4943712" "5103085" "5592033" "6313825").PN. OR ("6828546").URPN. | US-PGPUB; USPAT; USOCR | WITH | ON | 2007/04/04 16:37 |
| S17 | 6 | ("3996797" "5777451" "6144017" "6311005" "6373215" "6433501").PN. OR ("6634225").URPN. | US-PGPUB; USPAT; USOCR | WITH | ON | 2007/04/04 16:38 |
| S18 | 14 | ("6100538" "6160479").PN. OR ("6362468").URPN. | US-PGPUB; USPAT; USOCR | WITH | ON | 2007/04/04 16:41 |
| S19 | 10 | ("4733081" "4879461" "4903009" "4970384" "4972070").PN. OR ("5668366").URPN. | US-PGPUB; USPAT; USOCR | WITH | ON | 2007/04/04 16:43 |

EAST Search History

| | | | | | | |
|-----|-----|--|--|------|----|------------------|
| S20 | 35 | ("4022969" "4092532" "4303914" "4354102" "4390873" "4409479" "4631400" "4686329").PN. OR ("4751505").URPN. | US-PGPUB; USPAT; USOCR | WITH | ON | 2007/04/04 16:44 |
| S21 | 17 | ("20020166885" "20030128153" "20030174054" "20060120595" "4716430" "4752799" "4988981" "5149952" "5229829" "5532813" "5541723" "5686942" "5701006" "5865443" "5963309" "6172375" "6611741").PN. OR ("7123351").URPN. | US-PGPUB; USPAT; USOCR | WITH | ON | 2007/04/04 16:47 |
| S22 | 11 | ("5059877" "5237249" "5313072" "5386111" "6084519" "6118383" "6232603" "6239444").PN. OR ("6373215").URPN. | US-PGPUB; USPAT; USOCR | WITH | ON | 2007/04/04 16:52 |
| S23 | 20 | ("2651771" "3937574" "4065778" "4473285" "4479706").PN. OR ("4752799").URPN. | US-PGPUB; USPAT; USOCR | WITH | ON | 2007/04/04 16:56 |
| S9 | 148 | 340/555-557.ccls. and ((light source) or LED or emitting diode) (rais\$3 or elevat\$3 or high\$2 or plane or offset\$4 or platform) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/04 17:00 |
| S24 | 69 | 340/555-557.ccls. and ((light source) or LED or emitting diode) distance | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/04 17:04 |
| S25 | 617 | second near2 S12 and S12 (distance or offset or height or plane) (substrate or board or carrier) and (sensor or detector or photo\$1detector or photo\$1diode) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/04 17:07 |
| S1 | 28 | reime-gerd.in. | USPAT | WITH | ON | 2007/04/05 07:36 |

EAST Search History

| | | | | | | |
|-----|-----|---|--|------|----|------------------|
| S26 | 8 | sandwich circuit board height | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/05 07:38 |
| S27 | 29 | sandwich board height | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/05 07:39 |
| S28 | 153 | led same laminat\$3 circuit board | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/05 07:40 |
| S29 | 96 | epoxy resin housing same LED | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/05 08:07 |
| S30 | 4 | epoxy resin (impermeable or block) light same LED | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/05 08:09 |
| S31 | 8 | encapsul\$3 (impermeable or block) light same LED | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/05 08:28 |
| S32 | 55 | housing (chamfer\$3 or facet\$3) same LED | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/05 08:36 |

EAST Search History

| | | | | | | |
|-----|-----|--|--|------|----|------------------|
| S33 | 157 | wall (chamfer\$3 or facet\$3) same LED | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/05 08:55 |
| S34 | 356 | side (chamfer\$3 or facet\$3) same LED | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/05 09:06 |
| S35 | 18 | slanted housing same LED | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/05 09:07 |
| S36 | 165 | LED and reference (beam or light) same (slant\$3 or tilt\$3 or chamfer\$3 or facet\$3) (housing or wall or side or window) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/05 09:25 |
| S38 | 146 | LED and finger and epoxy housing | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/05 09:29 |
| S37 | 297 | LED and finger and opaque housing | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/05 09:49 |
| S40 | 91 | LED and finger and ((internal\$3 reflect\$3) or TIR) housing | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/05 10:08 |

EAST Search History

| | | | | | | |
|-----|-----|---|--|------|----|------------------|
| S41 | 60 | LED and touch and ((internal\$3 reflect\$3) or TIR) housing | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/05 10:08 |
| S39 | 152 | LED and finger and encapsul\$5 housing | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/05 10:10 |
| S43 | 89 | LED and touch and encapsul\$5 housing not S39 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2007/04/05 10:11 |